

Optical Coatings

Self-cleaning coatings in optical quality

SuNyx' ultraphobic surfaces herald next-generation coating technology with their excellent optical and self-clean properties and high durability. Water drops roll off the surface like water of a duck's back and do not slide off and therefore cannot evaporate to leave ugly stains. Loose particles like dust and other contaminations are picked up by rolling water drops and washed away.



[Play video](#)

(QuickTime format, 1,4 MB)

A high **mechanical durability** and therefore a lifetime of decades is ensured with a storage layer and an autoregenerative mechanism. SuNyx technology closely resembles principles from nature. The surface consists of a multilayer stack with an autoregenerating surface chemistry, which is driven by molecular self-assembly.

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(AVI format, 1,7 MB)

The **self-cleaning coatings** will be suitable for small-area applications on car windshields as well as large-area applications for architecture up to large glass facades of buildings. An excellent optical quality can be ensured for applications such as eyeglasses, magnifying-glasses and mirrors.

